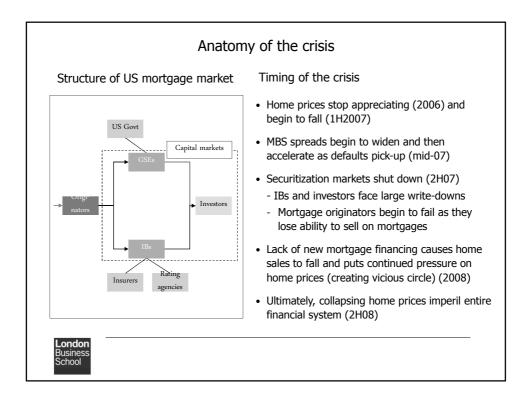
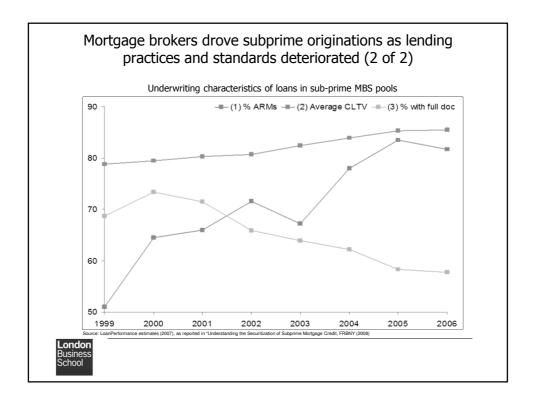
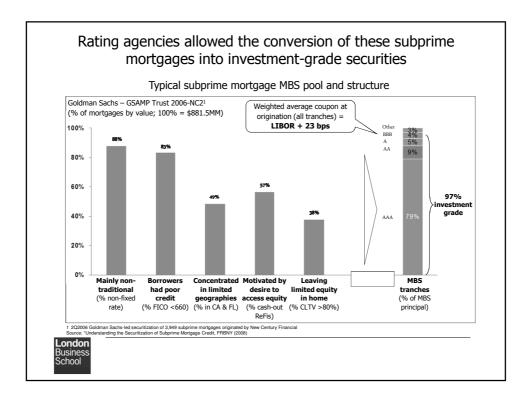


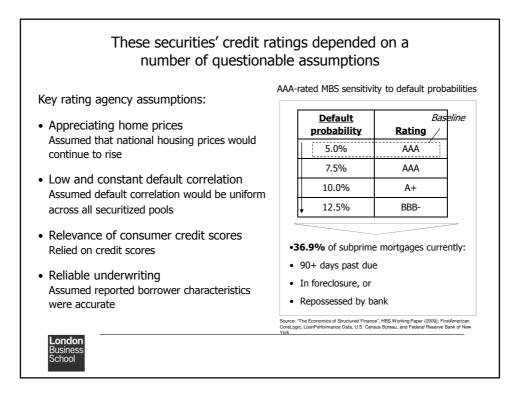
| Sun-belt | Mismatch between | Don't give a damn |
|---|--------------------------------|-------------------------------------|
| vs Iron-belt | savings & loans | about tomorrow |
| Securitizatio | on Who | lesale funding |
| Ratings agencies | Ratings | Gov't making ratings |
| Change Payment model | Crucial | the gatekeeper |
| I-Banking losing | CLO's and CDO's | CDS's to transfer risk |
| traditional revenues | Slicing risk | unsupervised |
| Banks "originate to distribute" | Hedge funds changing the model | Banks leverage hedge funds (AAA) |
| Demand for loans | "The market will | Changing compensation |
| leading to lax standards | figure it out" | within firms |
| London Business School © Michael G. Jacobides | | |



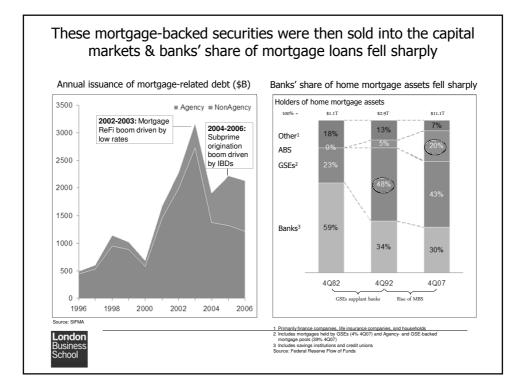
| | | sub-prime origir | | Bad practices proliferated: |
|---------|-------------------------------|-------------------|------------|---|
| - | | Volume (\$B) | . , | Increasing reliance on non-traditional |
| 1 2 | HSBC (HF) New Century | 52.8 51.6 | 8.8 8.6 | mortgage structures that lowered initia payments, e.g. |
| 3 | Countrywide | | 6.8 | - IOs (interest-only) |
| 4 5 | Citigroup | 38.0 | 6.3 | - ARMs |
| 5 6 | WMC Fremont | 33.2 32.3 | 5.5 5.4 | Declining underwriting standards |
| 7 | Ameriquest | 29.5 | 4.9 | - Borrowers had lower credit ratings |
| 8 | Option One | 28.8 | 4.8 | Borrowers provided smaller down-paymen |
| 9 10 | Wells Fargo First Franklin | 27.9 27.7 | 4.6 4.6 | Negligent (sometimes fraudulent) underwriting practices, e.g. |
| TOTAL | tal — top 10 - \$600.0 | \$362.4 100.0% | 60.4% | - NINJA (No-Income-No-Job-or-Assets) |

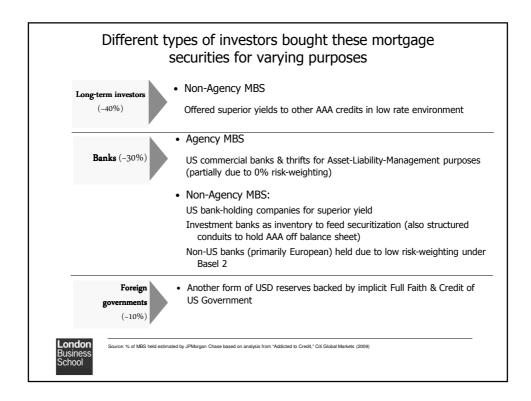


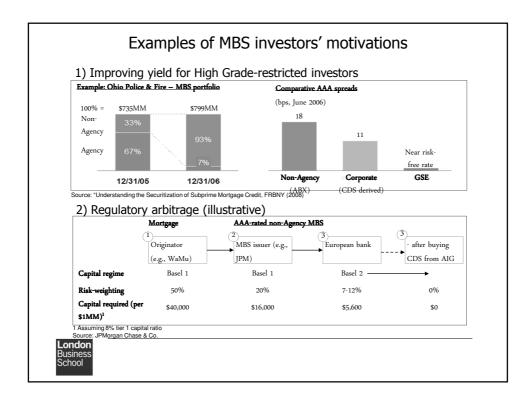


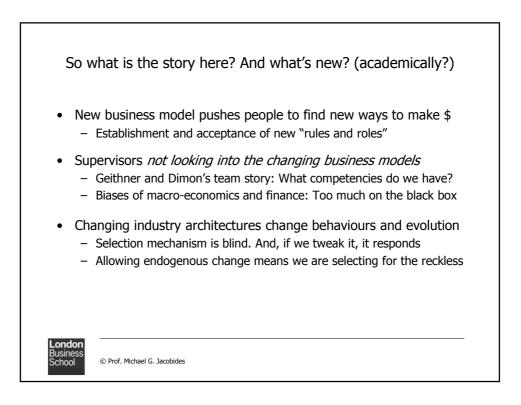


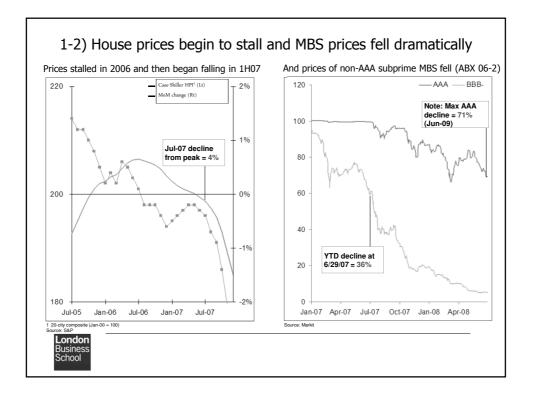
| The p | otential effect of changing house price assumptions on ratings |
|---------------------------|---|
| 2007 dis | cussion between mutual fund and Fitch |
| MF: | "What are the key drivers of your rating model?" |
| Fitch: | "FICO scores and home price appreciation of low single digit or mid single digit, as home price appreciation has been for the past 50 years." |
| MF: | "What if home price appreciation was flat for an extended period of time?" |
| Fitch: | "Our model would start to break down." |
| MF: | "What if home prices were to decline 1% to 2% for an extended period of time?" |
| Fitch: | "The models would break down completely." |
| MF: | "With 2% depreciation, how far up the rating's scale would it harm?" |
| Fitch: | "It might go as high as the AA or AAA tranches." |
| Londo Busine School | |

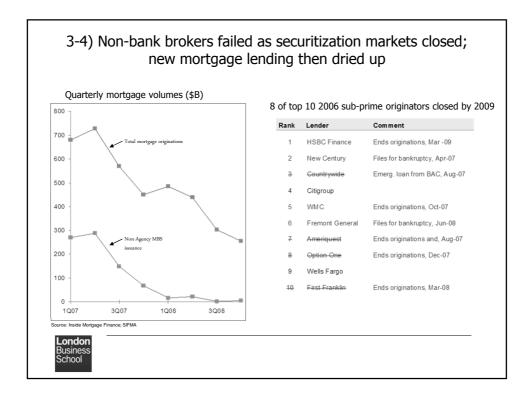


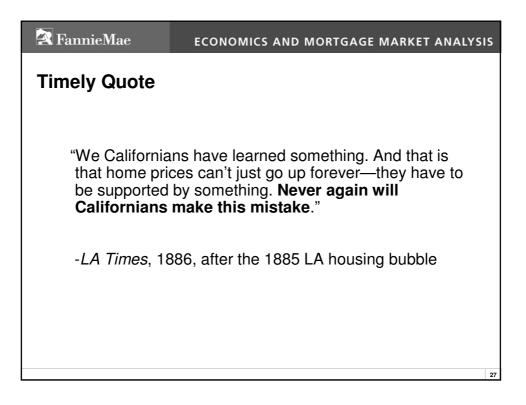


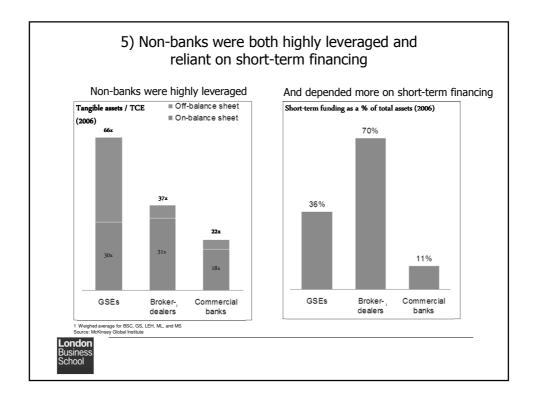


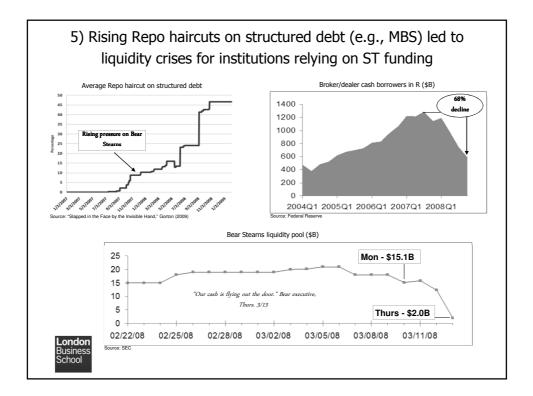


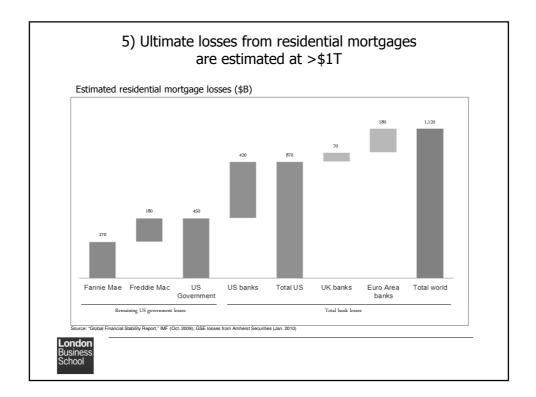


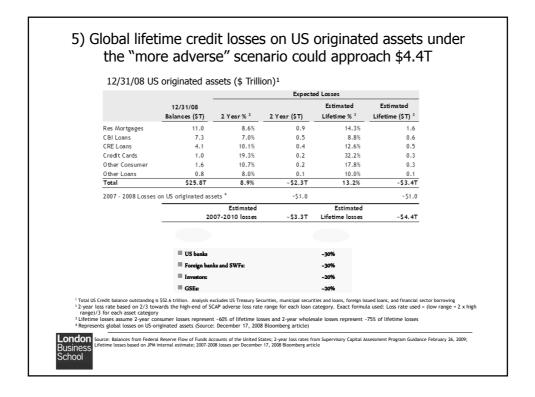




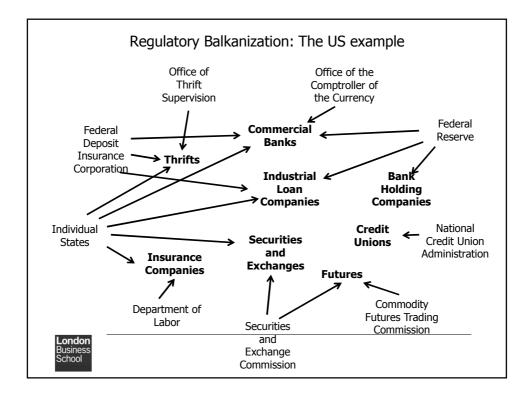


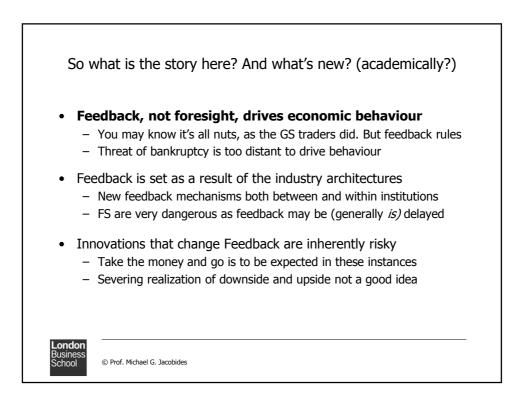






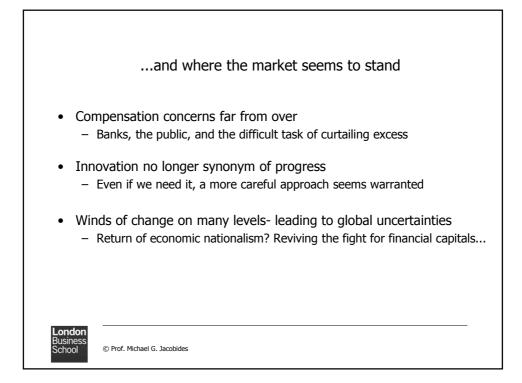
| | Institution | CEO (12/06 | vs. 02/10) | Mkt cap (12/06 | vs. 02/1 |
|------------------------------|-------------------|-------------|------------|----------------|----------|
| | Citigroup | Prince | Pandit | | \$97.4 |
| Large commercial banks | Bank of America | -Lewis | Moynihan | 239.8 | 137.4 |
| | JPMorganChase | Dimon | Dimon√ | 167.6 | 157.8 |
| | Wells Fargo | -Kovacevich | Stumpf | 120.0 | 131.3 |
| | X Wachovia | -Thompson | to WFC | | |
| | Morgan Stanley | -Mack- | Gorman | \$85.4 | \$37.3 |
| Investment | Goldman Sachs | Blankfein | Blankfein√ | | 84.8 |
| banks | X Merrill Lynch | -O'Neal | to BAC | | |
| | X Lehman Brothers | s Fuld | bankrupt | 41.4 | |
| | X Bear Stearns | -Cayne | to JPM | 23.7 | |
| Government | X Fannie Mae | Mudd | to US Govt | \$57.9 | |
| Sponsored Enterprises | X Freddie Mac | Syron | to US Govt | 441.14 | |
| Mortgage- | X Wash. Mutual | Killinger | to JPM | \$42.7 | n/a |
| focused thrifts/brokers | X Countrywide | Mozilo | to BAC | 26.4 | n/a |

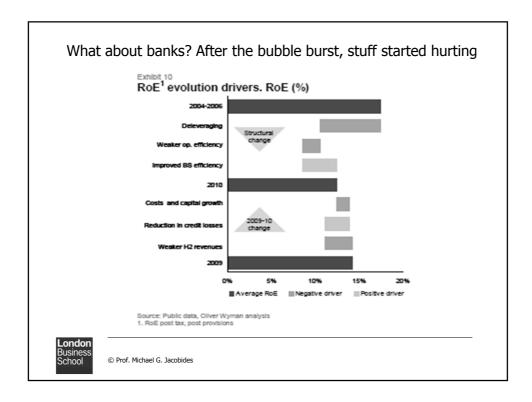


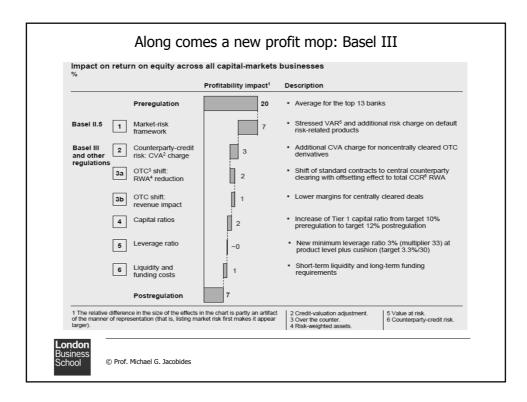


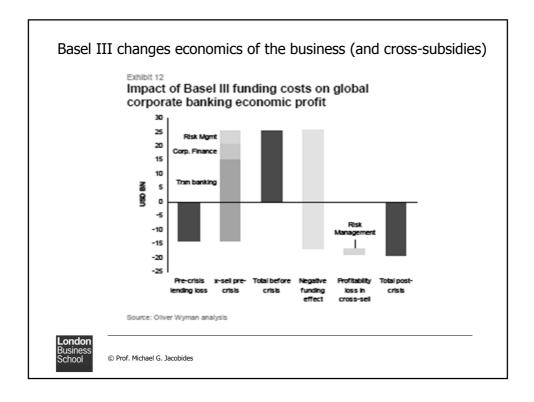


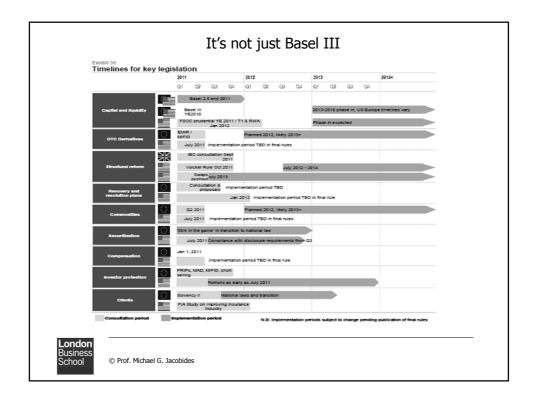


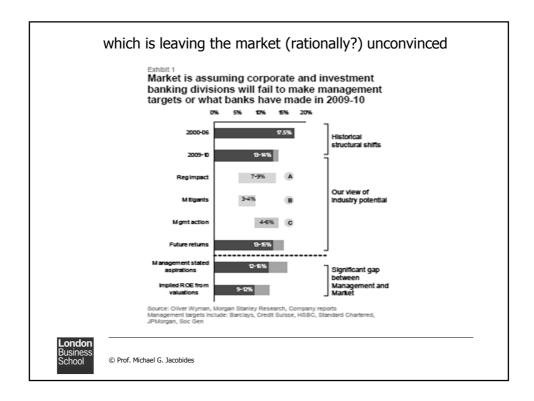
















| Source of value | New business model | Initiatives |
|--------------------|----------------------------------|---|
| Scale | Flow-driven universal bank | Improve business economics through platform scale Provide broad product offering for clients, with aspiration to a top position in flow products Expand and leverage Tier 1 institutional client franchise |
| Franchise | Franchise bank | Develop deep corporate and institutional (Tier 2/Tier 3) client franchise in large home or multilocal markets Penetrate client franchise with standardized but comprehensive product set (with some white labeling) Develop selected lighthouse product offering for Tier 1 institutional clients based on local expertise (eg, local credit) |
| | New corporate bank | Provide product offering based on corporate client needs Increasingly leverage infrastructure provided by industry utilities or global banks |
| Risk | New investment bank | Differentiate through risk-management capabilities and offer innovative, tailored solutions Build leading-edge risk-management/product-structuring capabilities Target top global institutional clients |

